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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/879,470	06/12/2001	Albert E. Cosand	PD-R98158	4355
75	590 09/07/2004		EXAMINER	
Leonard A. Alkov			HA, DAC V	
Raytheon Company P.O. Box 902 (E1/E150)			ART UNIT	PAPER NUMBER
El Segundo, Ca			2634	
			DATE MAILED: 09/07/200	4

Please find below and/or attached an Office communication concerning this application or proceeding.

		AV.				
	Application No.	Applicant(s)				
	09/879,470	COSAND, ALBERT E.				
Office Action Summary	Examiner	Art Unit				
	Dac V. Ha	2634				
The MAILING DATE of this communication Period for Reply	appears on the cover sheet w	ith the correspondence address				
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO - Extensions of time may be available under the provisions of 37 CFI after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory pe - Failure to reply within the set or extended period for reply will, by st Any reply received by the Office later than three months after the m earned patent term adjustment. See 37 CFR 1.704(b).	N. R 1.136(a). In no event, however, may a reply within the statutory minimum of thi riod will apply and will expire SIX (6) MO atute, cause the application to become A	reply be timely filed rty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 1						
· <u>=</u>	·					
 Since this application is in condition for allocations closed in accordance with the practice und 	•	·				
Disposition of Claims						
4) ⊠ Claim(s) <u>1-13</u> is/are pending in the applicate 4a) Of the above claim(s) is/are with 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) <u>1-13</u> are subject to restriction and application Papers	drawn from consideration.					
9) The specification is objected to by the Exam	niner					
· <u> </u>	accepted or b) objected to	by the Examiner				
Applicant may not request that any objection to						
Replacement drawing sheet(s) including the cor	• • • • • • • • • • • • • • • • • • • •	• •				
11)☐ The oath or declaration is objected to by the	Examiner. Note the attache	d Office Action or form PTO-152.				
Priority under 35 U.S.C. § 119		·				
 12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the papplication from the International But 	ents have been received. ents have been received in A priority documents have beer	Application No				
* See the attached detailed Office action for a	• • • • • • • • • • • • • • • • • • • •	received.				
Attachment(s)						
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB Paper No(s)/Mail Date 	Paper No	Summary (PTO-413) s)/Mail Date Informal Patent Application (PTO-152)				

Application/Control Number: 09/879,470

Art Unit: 2634

DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - Claims 1-5, 12, drawn to particular quantizer and quantization method,
 classified in class 341, subclass 200.
 - II. Claims 6-11, 13, drawn to delta-sigma analog-to-digital converter, classified in class 341, subclass 126.

The inventions are distinct, each from the other because of the following reasons:

2. Inventions I and II are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention I has separate utility such as quantization could be used by itself. See MPEP § 806.05(d).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dac V. Ha whose telephone number is 571-273-3040. The examiner can normally be reached on 5/4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on 571-272-3056. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

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Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dac V. Ha Examiner Art Unit 2634